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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/663,240
Filing Date	September 16, 2003
First Named Inventor	Bolgiano et al.
Art Unit	Not Yet Known
Examiner Name	Not Yet Known
Attorney Docket Number	I-1-0065.10US
Total Number of Pages in This Submission	

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Form PTO-1449 and Copies of Twenty-Seven (27) Cited References
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Frank A. Mazzeo	Reg. No. 46,259
Signature	Volpe and Koenig, P.C.	
Date	12/11/03	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Frank A. Mazzeo		
Signature		Date	12/11/03

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In the **PATENT APPLICATION** of:

Bolgiano et al.

Application No.: 10/663,240

Confirmation No.: Not Yet Known

Filed: September 16, 2003

For: WIRELESS TELEPHONE SYSTEM WITH
DIVERSITY TRANSMISSION AND METHOD

Group: Not Yet Known

Examiner: Not Yet Known

Our File: I-1-0065.10US

Date: December 11, 2003

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed Form PTO-1449.

References CG-CJ, CP, CT-CV, CY and DF-DG were cited in office actions in related U.S. Application Nos. 10/059,640 (attorney docket no. I-1-0065.4US), 10/096,207 (attorney docket no. I-1-0065.5US), 10/095,728 (attorney docket no. I-1-0065.6US), 10/096,180 (attorney docket no. I-1-0065.7US) and 10/096,015 (attorney docket no. I-1-0065.9US). Pursuant to 37 C.F.R. 1.98, copies of these U.S. patents are not enclosed.

The instant application is a member of a family of issued patents and patent applications that includes the following:

- 1) U.S. Patent No. 5,614,914 (attorney docket no. I-1-0065US);
- 2) U.S. Patent No. 5,663,990 (attorney docket no. I-1-0065.1US);

Applicant: Bolgiano et al.
Application No.: -----

- 3) U.S. Patent No. 6,366,568 (attorney docket no. I-1-0065.2US);
- 4) U.S. Patent No. 5,859,879 (attorney docket no. I-1-0065.3US);
- 5) U.S. Patent Appln. No. 10/059,640 (attorney docket no. I-1-0065.4US);
- 6) U.S. Patent Appln. No. 10/096,207 (attorney docket no. I-1-0065.5US);
- 7) U.S. Patent Appln. No. 10/095,728 (attorney docket no. I-1-0065.6US);
- 8) U.S. Patent Appln. No. 10/096,180 (attorney docket no. I-1-0065.7US);
- 9) U.S. Patent Appln. No. 10/095,961 (attorney docket no. I-1-0065.8US);
- 10) U.S. Patent Appln. No. 10/096,015 (attorney docket no. I-1-0065.9US);
- and
- 11) U.S. Patent Appln. No. 10/663,240 (attorney docket no. I-1-0065.10US).

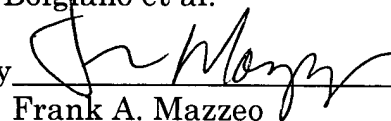
References CK-CN, CZ-DA and DE in the enclosed Form PTO-1449 are being resubmitted. Copies of these references also are enclosed.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the Form PTO-1449 indicating consideration of the cited materials.

Respectfully submitted,

Bolgiano et al.

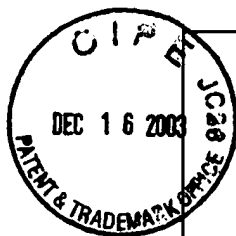
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FAM/sag
Enclosures



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)										ATTY. DOCKET NO. I-1-0065.10US		SERIAL NO. 10/663,240			
APPLICANT Bolgiano et al.															
FILING DATE September 16, 2003										GROUP Not Yet Known					
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	CG	4	7	9	9	2	5	2	01/1989	Eizenhoffer et al.					
	CH	5	3	4	7	5	3	5	09/1994	Karasawa et al.					
	CI	5	6	1	4	8	7	6	03/1997	Bolgiano et al.					
	CJ	5	6	2	5	8	7	6	04/1997	Gilhousen et al.					
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES	NO
	CK	2	2	3	7	7	0	6	05/1991	GB					
	CL	0	5	2	8	0	9	0	02/1993	Europe					
	CM	2	2	5	9	4	3	0	03/1993	United Kingdom					
	CN	9	3	0	6	6	6	9	04/1993	PCT					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	CO	Edited by William C. Jakes, Jr., "Microwave Mobile Communications," Bell Telephone Laboratories, North Andover, MA, pgs. 309-323 and 535-541, 1974.													
	CP	Kavehrad et al., "Direct-Sequence Spread Spectrum with DPSK Modulation and Diversity for Indoor Wireless Communications," IEEE, pgs. 224-236, 1987.													
	CQ	Pickholtz et al., "Field Tests Designed to Demonstrate Increased Spectral Efficiency for Personal Communications," IEEE Globcom, pgs. 878-882, 1991.													
	CR	Schilling et al., "Spread Spectrum for Commercial Communications," IEEE Communications Magazine, Vol. 29, Issue 4, pgs. 66-79, April 1991.													
	CS	Schilling et al., "PCN Field Test Experiments Using Broadband-CDMA," IEEE, pgs. 321-324, December 1991.													
	CT	Kauffman et al., "Digital Spread-Spectrum Multipath-Diversity Receiver for Indoor Communications," IEEE, pgs. 1038-1041, 1992.													
	CU	Esmailzadeh et al., "Direct Sequence Spread Spectrum Communication in Selection Diversity Channels by Time Division Duplex Technique," IEEE, pgs. 345-348, 1992.													
	CV	Xiang et al., "TDM/CDMA VSAT Network Integrating Voice/Data Service And Its Operation Management," IEEE, pgs. 476-480, 1992.													
EXAMINER										DATE CONSIDERED					

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)										ATTY. DOCKET NO. I-1-0065.10US		SERIAL NO. 10/663,240	
										APPLICANT Bolgiano et al.			
										FILING DATE September 16, 2003		GROUP Not Yet Known	
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)													
	CW	Ghassmzadeh et al., "Indoor Propagation and Fading Characterization of Spread Spectrum Signal at 2 GHz," IEEE, pgs. 56-60, 1992.											
	CX	Erceg et al., "Urban/Suburban Out-of-Sight Propagation Modeling," IEEE Communications Magazine, pgs. 56-61, June 1992.											
	CY	Whang et al., Performance Evaluation of a Direct-Sequence Spread-Spectrum Multiple-Access with Microscopic and Macroscopic Diversity in Mobile Radio Environment, IEEE, pgs. 803-806, 1993.											
	CZ	Seshadri et al., "Two Signaling Schemes For Improving The Error Performance Of Frequency-Division-Duplex (FDD) Transmission Systems Using Transmitter Antenna Diversity," Secaucus, NJ, New York, IEEE, US, pgs 508-511, May 18, 1993.											
	DA	Seshadri et al., "Advanced Techniques For Modulation, Error Correction, Channel Equalization, And Diversity," AT&T Technical Journal, US, American Telephone and Telegraph Co., New York, Vol. 72, No. 4, pgs. 48-63, July 1, 1993.											
	DB	"Ultraphone, System Description GP110," InterDigital Communications Corporation, pgs. 1-17, October 1993.											
	DC	Esmailzadeh et al., "Time Division Duplex Transmission of Direct Sequence Spread Spectrum Signals in Multipath Channels," IEEE, pgs. 1572-1576, 1994.											
	DD	"Ultraphone, System Technical Specification GP130, Interdigital Communications Corporation, pgs. 1-12, January 1994.											
	DE	Jack H. Winters, "The Diversity Gain Of Transmit Diversity In Wireless Systems With Rayleigh Fading," New Orleans, New York, IEEE, US, pgs. 1121-1125, May 1, 1994.											
	DF	Blanz et al., "Performance of a Cellular Hybrid C/TDMA Mobile Radio System Applying Detection and Coherent Receiver Antenna Diversity, IEEE, pgs. 568-579, May 1994.											
	DG	Esmailzadeh et al., "Quasi-Synchronous Time Division Duplex CDMA, IEEE, pgs. 1637-1641, 1994.											
EXAMINER									DATE CONSIDERED				

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.